



Brief to Industry
PM SKOT 2012



Leading The Way In Support

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14. ABSTRACT The Ordnance Group manages those Sets, Kits, Outfits and Tools (SKOT) utilized by U.S. Armed Forces Maintenance personnel and activities. Examples of Ordnance SKOTs include the Forward Repair System (FRS), Standard Automotive Tool Set (SATS), Metal Working and Machining Shop Set (MWMSS), Shop Equipment, Contact Maintenance (SECM), Hydraulic System Test and Repair Unit (HSTRU) and the Armament Repair Shop Set (ARSS). Ordnance SKOTs support and span the entire scope of maintenance operations and career fields. Although Ordnance SKOTs reside within the Ordnance Group of PM-SKOT, they support a variety of missions. In essence, Ordnance SKOTs fix everything from trailers to tanks.				
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PM SKOT Programs

~58 Systems

Fire Fighting, Diving, Boats & Motors

1. Firefighter Individual Requirements Equipment Set (FIRES)
2. Fire Protection Equipment Set (FPE)
3. Legacy 7 Man boats w/applicable motors
4. Breakaway Divers Air Stowage System (BDASS)
5. Closed Circuit SCUBA Set (CCS)
6. Containerized Divers Recompression Chamber (CDRC)
7. Deep Sea Diving Set (DSS)
8. Diver Underwater Construction Set (UCS)
9. Diver Underwater Photo Support Set (DUPSS)
10. Family of Breathing Air Compressors
11. Family of Boats and Motors
3/7/15 man boats w/applicable motors
12. Open Circuit SCUBA Set (OCS)
13. Diver Propulsion System
14. SCUBA Support Set (SSS)
15. Surface Supplied Diving Set
16. Underwater Construction Set

Special Tools

Multiple Emerging Requirements

Ordnance

1. Armament Repair Shop Sets (ARSS)
2. Forward Repair System (FRS)
3. Hydraulic System Test & Repair Unit (HSTRU)
4. Metal Working & Machining Shop Set (MWMSS)
5. Standard Automotive Tool Set (SATS)
6. SATS Field Maintenance Module 3 (FMM3) Fire Suppression Refill System
7. Shop Equipment, Contact Maintenance (SECM)
8. SECM – Next Generation
9. Soldier Portable Ordnance Kits (SPOK)
10. Load Banks
11. Ammunition Tool Kit
12. Artillery Shop Set
13. Automotive Sustainment & Maintenance Module (ASMM)
14. Cutting & Welding Shop Set #5
15. Electronic System Maintenance Tool Kit
16. Full Tracked Vehicle Set
17. Instrument & Fire Control Repair Shop Set
18. Measuring Machinist Tool Set
19. Small Arms Shop Set (SASS)
20. Spare Parts Storage Cabinet Set

Engineer

1. Asphalt Test Sets
2. Carpenter's Supplemental Tool Kit (CSTK)
3. Carpenter's Tool Kit (CTK)
4. Concrete Test Set
5. Demolition Set (Explosive, Electric)
6. Electrician's Tool Kit
7. Family of Detainee Processing & Evidence Collection Kit (FoDPECK)
8. Family of Lighting Systems (FOLS)
9. General Purpose Survey Set (GPSS)
10. Hydraulic Electronic Pneumatic Petroleum Operated Equipment (HEPPOE)
11. Hazard Identification and Marking Set
12. Mason & Concrete Tool Kit
13. Pioneer Land Clearing & Building Erection
14. Pioneer Platoon Set
15. Pioneer Sapper Set
16. Pioneer Support Set
17. Plumbers Tool Kit
18. Soil Test Sets
19. Urban Operations Tool Set Platoon Set (UOpPS)
20. Urban Operations Tool Set Squad Set (UOpSS)
21. Vertical Skills Engineer Construction Kit (VSECK)
22. Material Testing Kit

*Blue text indicates a New Start system





PM SKOT Portfolio

Ordnance



SATS



FRS



SECM



Type 2

MWMSS



HSTRU

Engineering



HEPOE



Carpenters
Tool Kit



Urban Ops Platoon Set



Pioneer Support Set

Fire Fighting & Diving



FPE Type II



FIREs



FPE Type I



Diving Equipment &
Recompression Chamber



Inflatable Boats &
Motors

Special Tools



HMMWV



FMTV

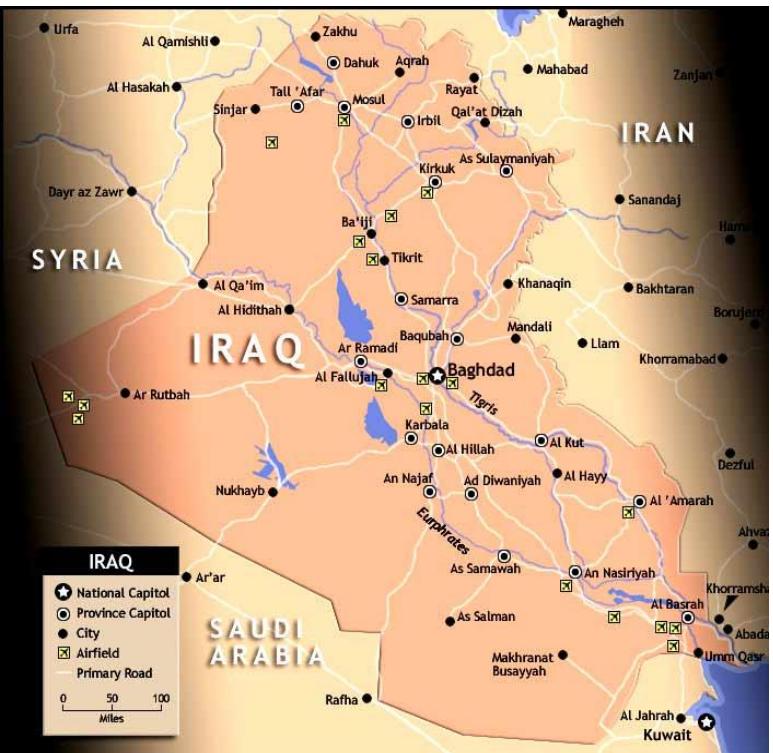


HEMTT A4

Sample Kits



PM SKOT in Operation New Dawn & Operation Enduring Freedom



SECM

SATS

FRS

HSTRU

Urban OPS

Soldier Portable

HSTRU

Tool Store



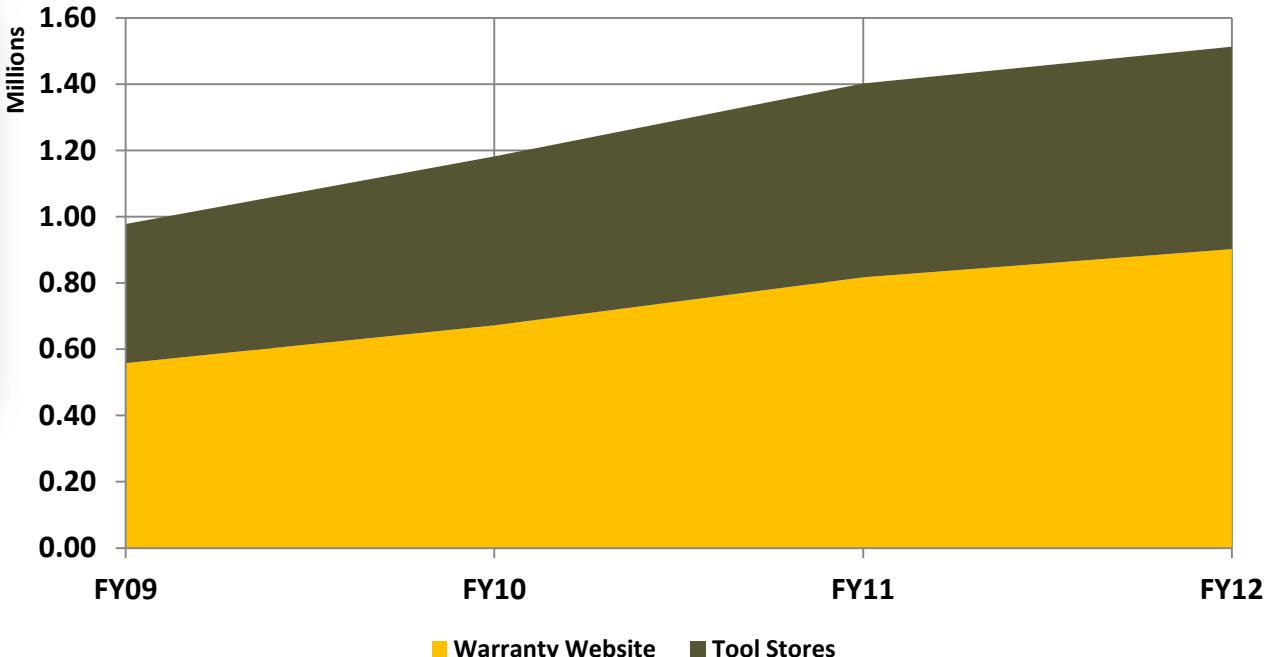


PM-SKOT is the Army's 1st Source for Tools

System and Sustainment Acquisition
Life Cycle Management for Sets, Kits, Outfits & Tools



Tool Stores & Warranty/Replacement Web Site



Tools Stores

- Bagram AFB, Afghanistan
- Kandahar, Afghanistan

Support to outlying FOBs can be arranged through the Tool Stores via e-mail

Mission Support

- Expanded Tool Store mission
 - 3 personnel per location – more robust liaison ISO RIP/TOA and RESET planning
 - Satisfy need for increased presence in theater, and allow staff to travel regularly to FOBs for customer service

1st Source

A web based, automated process to place orders and/or grant waivers whenever PM-SKOT is unable to support the warfighters' mission.

Warranty

Efficient online warranty claim submissions and warranty claim tracking.

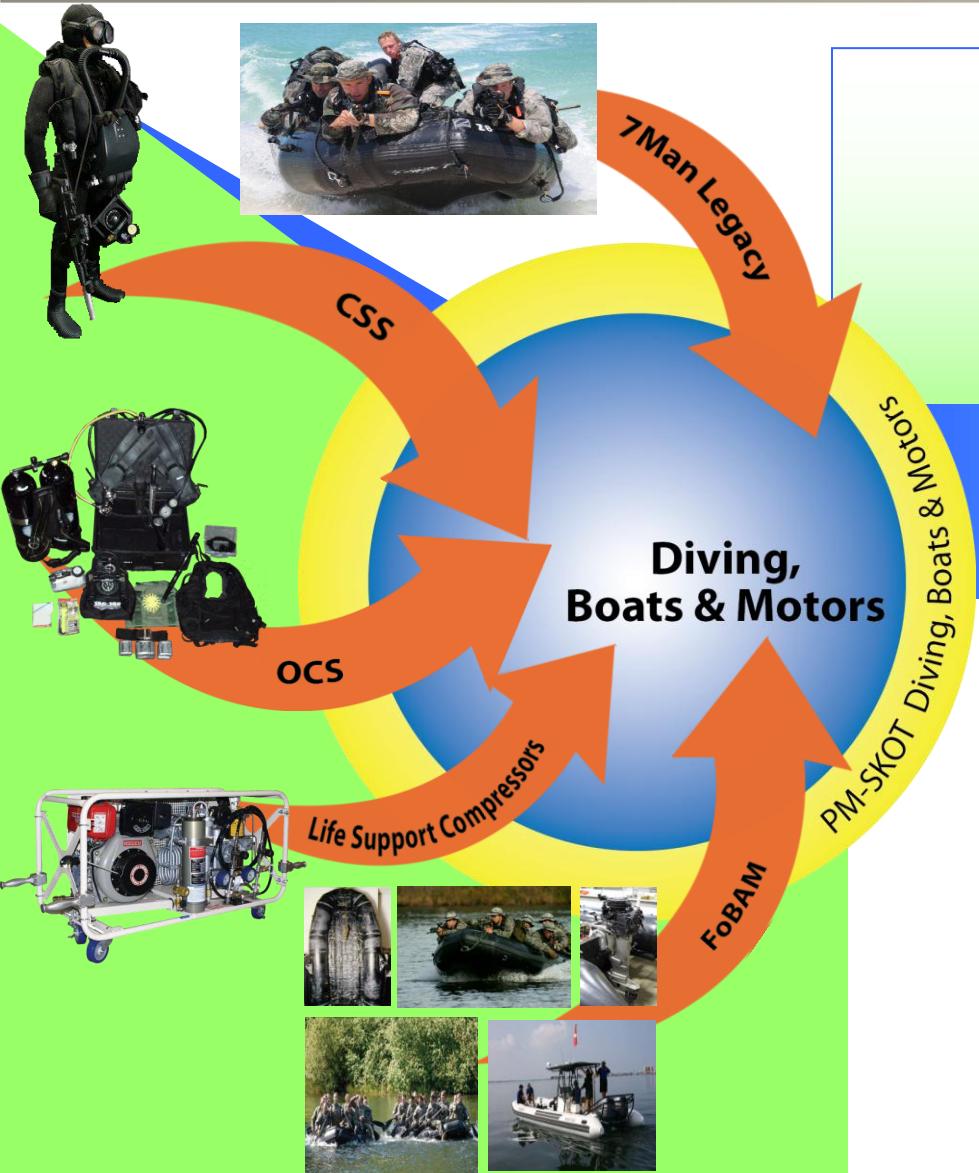
Replacement

Secure online credit card purchasing for tools not covered by manufacturer's warranties.

<https://pmskot.army.mil>



Diving, Boats & Motors



- Sustainment

- Modernization

- New Requirements

The Diving/Boats and Motors group manages those Sets, Kits, Outfits utilized by US Army Engineer, SOF divers, and other Soldiers who require diving equipment and inflatable boats.

Examples of Diving systems are the Family of High Pressure Breathing Air Compressors, Closed/Open SCUBA sets, recompression chambers and the Break Away Divers Air Stowage System.

The Family of Boats and Motors (FoBaM) is a new program of record, which consists of the 3, 7, and 15-person inflatable combat craft, associated 7&15-person boat submersible outboard motors, and a Rigid Inflatable Combat Support Craft. The FoBaM will replace current outdated Legacy systems.



Family Of High Pressure Breathing Air Compressors (FoHPBAC)



System Description

Fielding

The FoHPBAC will provide pure breathing air in support of SCUBA, Surface Supplied Diving operations, Fire Fighting Missions, and Chemical. This set will serve to replace and modernize aging and failing life support equipment. This system is 100% commercial off the shelf. Must be on the Approved for Military Use List (AMU).

This set will consist of 3 different compressor variants.

- Type I 26 CFM 5000 psi compressor
 - Type II (Diving) 6.0 CFM 5000 psi compressor
 - Type II (Fire) 6.0 CFM 5000 psi compressor

MOS: Engineer Diver (12D), Special Forces Diver (18 series), RANGERS combat diver, 21M Fire Fighters.

Total AAO: 259

AAO: Type I-64,

AAO: Type II-97

AAO: Type II Fire-98

Systems Fielded: 0

Type II (Diving & Fire)



Blast cabinet (Fire)



Type 1



Key Milestones

Performance/Issues

- CPD 1 Star Review 1Q FY12
 - CPD 3 Star Review 3Q FY12
 - MSC 3Q FY13

Performance

- ### ➤ Meets Joint Requirements

Underwater Construction Set (UWCS)



System Description

The UWCS will provide the tools and equipment required to support all Engineer Diving operations the set consists of five individual containers (QUADCON). Planned foot print reduction to four containers.

- Salvage package used for lifting heavy debris and recovering objects up to 160,000 pounds.
- Cutting and welding package used for underwater and surface operations.
- Recon package with tools to locate and mark underwater obstacles, and perform engineer reconnaissance.
- Hydraulic tool package used for construction/debris removal and cutting concrete, wood, and metal.
- Hand tools and hardware package for surface construction and support tools.

MOS 12D Diver

Fielding

AAO: 9

Fielded: 0



Key Milestones

- CPD drafted 2Q FY11
- World Wide Staffing anticipated 4Q FY12
- MSC 4Q FY14

Performance/Issues

Performance

- Compatible with joint diving systems
- Modernization of equipment and the addition of ENFIRE capability





Deep Sea Set (DSS) (New Start)

System Description

The DSS provides a surface supplied diving system that meets all commercial and military safety standards.

Major assemblies:

- Helmet assembly: keeps the diver's head dry and provides communications with the surface.
- Umbilical assembly: supplies breathing air, communications, depth monitoring and a strength member supporting the diver's weight.
- Communications assembly: allows three divers and the diving supervisor to communicate.

The set can be used to a depth of 250 feet and is the only system that protects the diver while conducting heavy construction and salvage operations.

Fielding

AAO: 9

Fielded: 0



Key Milestones

- | | |
|-----------------------|---------|
| ➤ World Wide Staffing | 3Q FY12 |
| ➤ Funding | FY14 |
| ➤ Milestone C | 4Q FY14 |

Performance/Issues

Performance

- Compatible with joint diving systems.



Support Set SCUBA (SSAB) (New Start)



System Description

The SSAB will support SCUBA Teams conducting underwater reconnaissance, demolition, repair, light salvage and recovery missions to a maximum depth of 130 feet. This program will reduce the logistical footprint by eliminating obsolete equipment, and reducing the number of programs.

It will consist of the following components:

Emergency Oxygen Delivery System	AED	Stretchers	Medical Aid Bags
Safety Lines	Recovery Lines	Rescue Strop	Warning Flags

MOS: 12D, 18 series, and other Combat Divers

Fielding

AAO: TBD

Fielded:

Emergency Oxygen System



Oxygen Booster Pump



AED



Key Milestones

Performance/Issues

- CPD combining Set A and B drafted 1Q FY12
- Milestone C 2Q FY15

Performance

- Compatible with joint diving systems

Issues

- SF MTOE change and current shortages



Diver Propulsion System (DPS) (New Start)



System Description

Fielding

The DPS will replace legacy systems with a COTS item at a reduced footprint, increased sustainability, and lower cost. It will increase the operational capability of these units by providing the means to safely and effectively transport operators to shore from surface and subsurface platforms with reduced fatigue and increased distance traveled underwater.

Capabilities supported include: IED search, assault landings, reconnaissance and river crossing operations, infiltration and ex-filtration, long-range surveillance, amphibious raid operations, surface swimming operations, submarine operations, riverine operations, water airborne operations, and search and rescue operations.

MOS 18 Series and possibly 12D Engineer Diver

AAO: 331

New Start



Legacy



Key Milestones

Performance/Issues

➤ Funding	Currently Unfunded
➤ World Wide Staffing	1Q FY12
➤ Milestone C	2Q FY14

Performance

Issues

- Legacy system leaves capability gaps revealed during OEF and OIF





Family of Boats & Motors (FoBaM)

System Description

The FoBaM will consist of a 3-Person Pneumatic Combat Reconnaissance Craft (P-CRC), 7-Person Inflatable Combat Raiding Craft (I-CRC), 15-Person Inflatable Combat Assault Craft (I-CAC), I-CRC and I-CAC Submersible Outboard Motors, and a Rigid Inflatable Combat Support Craft (RI-CSC). The FoBaM will replace current outdated Legacy systems.

The FoBaM will support a variety of operations such as: assault landings; reconnaissance and river crossing operations; infiltration and exfiltration; long-range surveillance; amphibious raid, surface swimming, dive, submarine, riverine, anti-mine, bridging, and air operations; underwater construction; underwater repair work; dam and pier repairs; light salvage; and humanitarian aid/disaster relief.

Fielding

AAO:

3-Person Boat: 850

7-Person Boat: 973

15-Person Boat: 563

7-Person Boat Motor: 932

15-Person Boat Motor: 337

Rigid Inflatable Boat: 30



Key Milestones

➤ CPD package to TRADOC	2QFY11
➤ DA One Star Level (Projected)	4QFY11
➤ DA Three Star Level (Projected)	4QFY11
➤ CPD Final Approval	1QFY12
➤ NAVSEA Testing	2QFY13
➤ Milestone C (7-Man and 15-Man Craft w/ associated outboard motors)	4QFY13

Performance/Issues

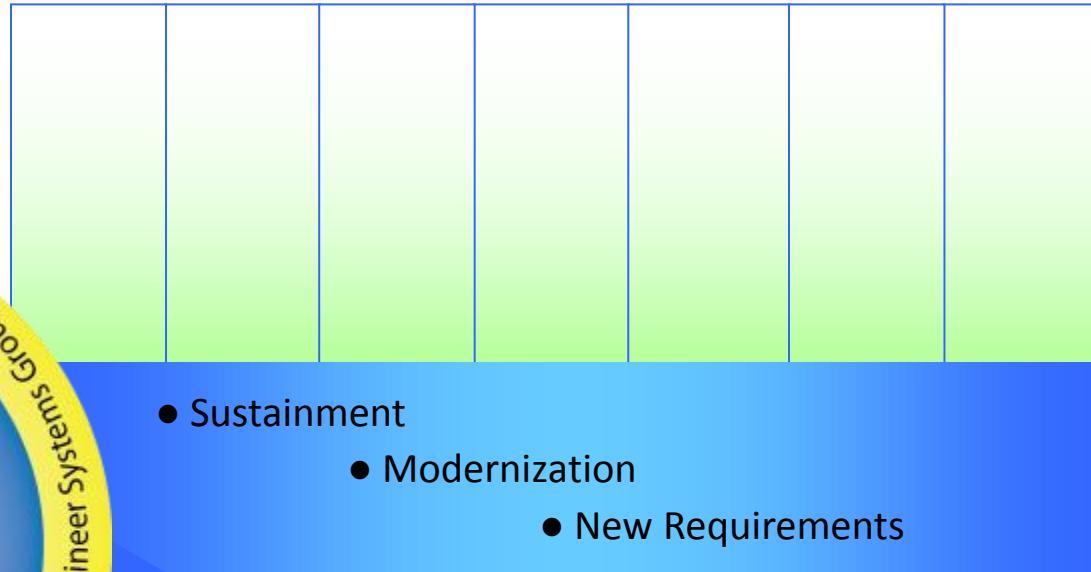
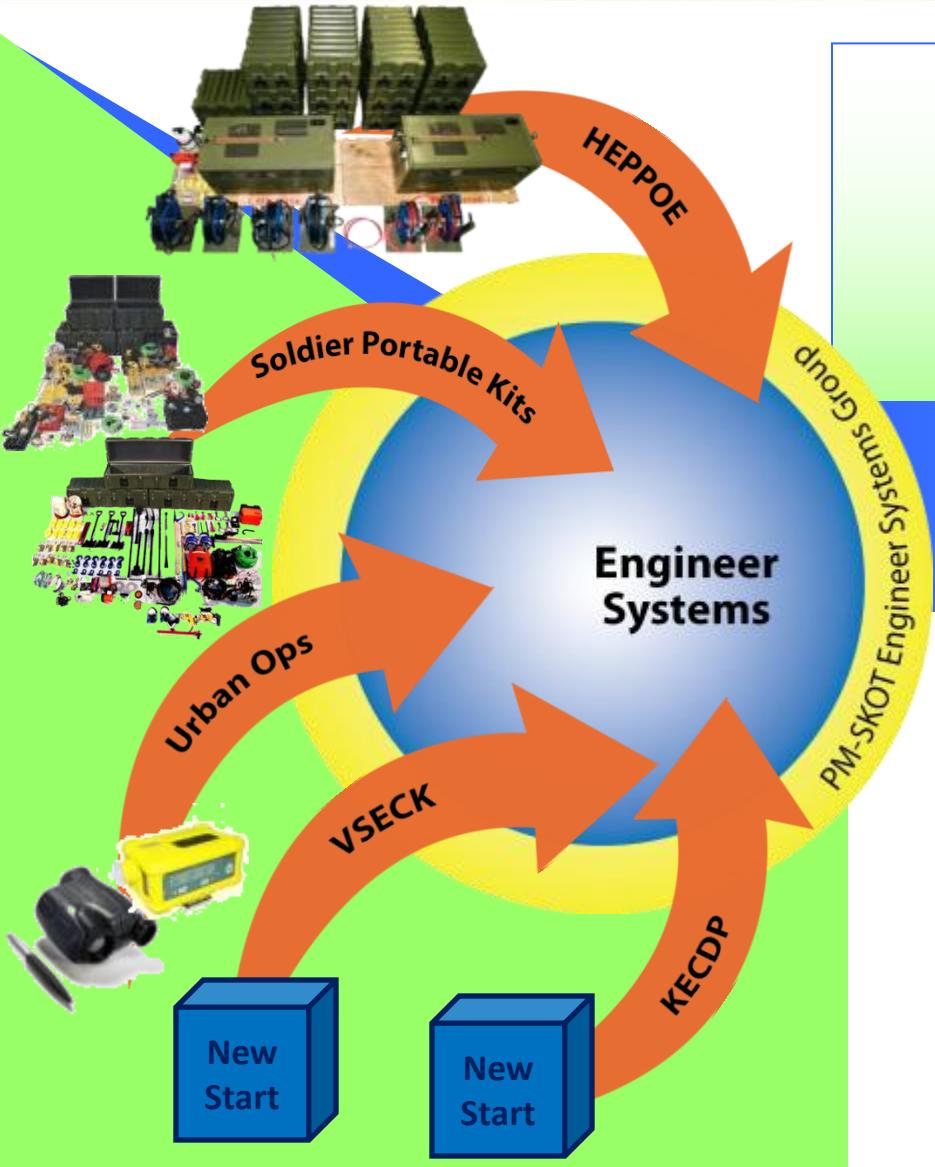
Future Requirement:

- Funding planned for new requirement in FY13-17 POM





Engineer Systems



Soldier Portable SKOTs are those that are transported to its place of final use in a single person or multi-person carry container. In other words, they do not require a Materiel Handling Equipment to transport. Though Soldier Portable SKOTs reside within the Engineering Group for PM SKOT, they in fact support both Ordnance and Engineer type missions. Examples of soldier portable SKOT include the Pioneer Support Sets and the Carpenter's Tool Kit (CTK). There are literally dozens more that range from general hand tools, carpentry tools, and specialized weapon repair. The number of soldier portable SKOTs distantly out number all other types of SKOTs. Engineer systems also encompasses the Engineer Combat and Construction Sets (ECACS) as well.



Vertical Skills Engineer Construction Kit (VSECK)



System Description

The VSECK will combine eight existing sets into a family of systems through modernization, standardization and/or consolidation. The sets includes hand and power tools used by carpenters, plumbers, pipefitters, electricians, and concrete & mason craftsmen. Some existing sets have been in the Army inventory since 1960.

The VSECK will provide upgraded, state-of-the-art capabilities; reduce redundancies thereby minimizing the logistics footprint; provide rapid inventory of items; and reduce configuration management barriers and costs by providing warranted tools with a means of easy replacement through the PM SKOT warranty and replacement website.

Fielding

AAO:

Type I – Carpenters Tool Kit Squad	12,095
Type II – Carpenters Supplemental Tool Kit (CSTK)	1,075
Type III – Carpenters Tool Kit (CTK)	317
Type IV – Electricians Tool Kit	945
Type V – Mason and Concrete Finishers	901
Type VI – Plumbing & Pipefitters Kit	901

Key Milestones

- CPD development complete
- World Wide Staffing
- Approval and Cards Number
- Milestone C

2nd Qtr FY 12
3rd Qtr FY 12
4th Qtr FY 12
4th Qtr FY 13



Performance/Issues

Performance:

- This system is in the early phases of program development, acquisition and life cycle management responsibilities.



Mason & Concrete



Plumbers & Pipe Fitters



Kits for Evidence Collection and Detainee Processing (KECDP)



System Description

Fielding

KECDP is being developed to standardize the processing and data collection of persons detained during military operations and will consist of an Individual Point of Capture Kit (IPOCK), Leader Point of Capture Kit (LPOCK), Team Evidence Collection Kit (TECK), and Platoon Evidence Collection Kit (PECK).

Actions at the point of capture (POC); the point at which a Soldier has custody of, and is responsible for safeguarding, a detainee can directly affect the mission success and could have a lasting impact on U.S. strategic military objectives. A standardized kit is needed for the proper and legal gathering of evidence, personal items and documentation of each detainee.

Some Items to be included in the kit : Camera, audio recorder, memory cards, restraint cuffs, evidence bags, DA Forms, and document protection.

AAO: 33,624

Fielded to date: 0

No image available

Key Milestones

Performance/Issues

- Counter-Personnel Joint Non-Lethal Effects ICD 7APR2009
- Special Operations CI/HUMIT ONS #13045
- CPD Development Complete 3rd Qtr FY 12
- World Wide Staffing 4th Qtr FY 12
- Approval and Cards # 2nd Qtr FY 14
- Milestone C 2nd Qtr FY 14
- IOC 3rd Qtr FY 14
- FOC 3rd Qtr FY 19

Performance:

- This system is in the early phases of program development, acquisition and life cycle management responsibilities.
- This program is designed to be a standardized kit across the army for use by Soldiers in detainee point of capture.





Fire Fighting Systems



- Sustainment

- Modernization

- New Requirements

The Fire Fighting group manages those Sets, Kits, Outfits, and Tools utilized by U.S. Army uniformed firefighters, and soldiers who require portable fire suppression equipment.

Firefighter Individual Requirements Equipment Sets (FIRES) will standardize firefighting equipment for individual firefighters.

The Firefighter Protection Equipment (FPE) Set will provide a mobile fire suppression capability. The FPE consists of three types of systems: Soldier-Portable (Type 1), Medium (Type 2) and Large (Type 3).



Fire Protection Equipment (FPE) Set



System Description

The FPE systems are superior firefighting tools that provide the Soldier with enhanced fire suppression capabilities in both urbanized and complex terrain. The FPE sets take full advantage of current technological advances for firefighting. It mitigates gaps in convoys and airfield fire safety operations. FPE equipment enables Soldiers to conduct safer and more effective firefighting operations. The Fire Protection Equipment set consists of three types of systems: Soldier-Portable (Type 1), Medium (Type 2) and Large (Type 3).

- **Type 1** is a Single User Rechargeable Foam Firefighting System (SURFFS) that is soldier portable
- **Type 2** is a Vehicle Mounted Mobile Operated Foam Firefighting System (VMMOFFS)
- **Type 3** is a Mobile Operated Foam Firefighting System (MOFFS)

Fielding

AAO: Type 1 - 9,301
Type 2 - 2,048
Type 3 - 543

First Unit Equipped (FUE): 4QFY12
ZLIN Awaiting Approval from LOGSA,
CARDS No. 06075



Key Milestones

Performance/Issues

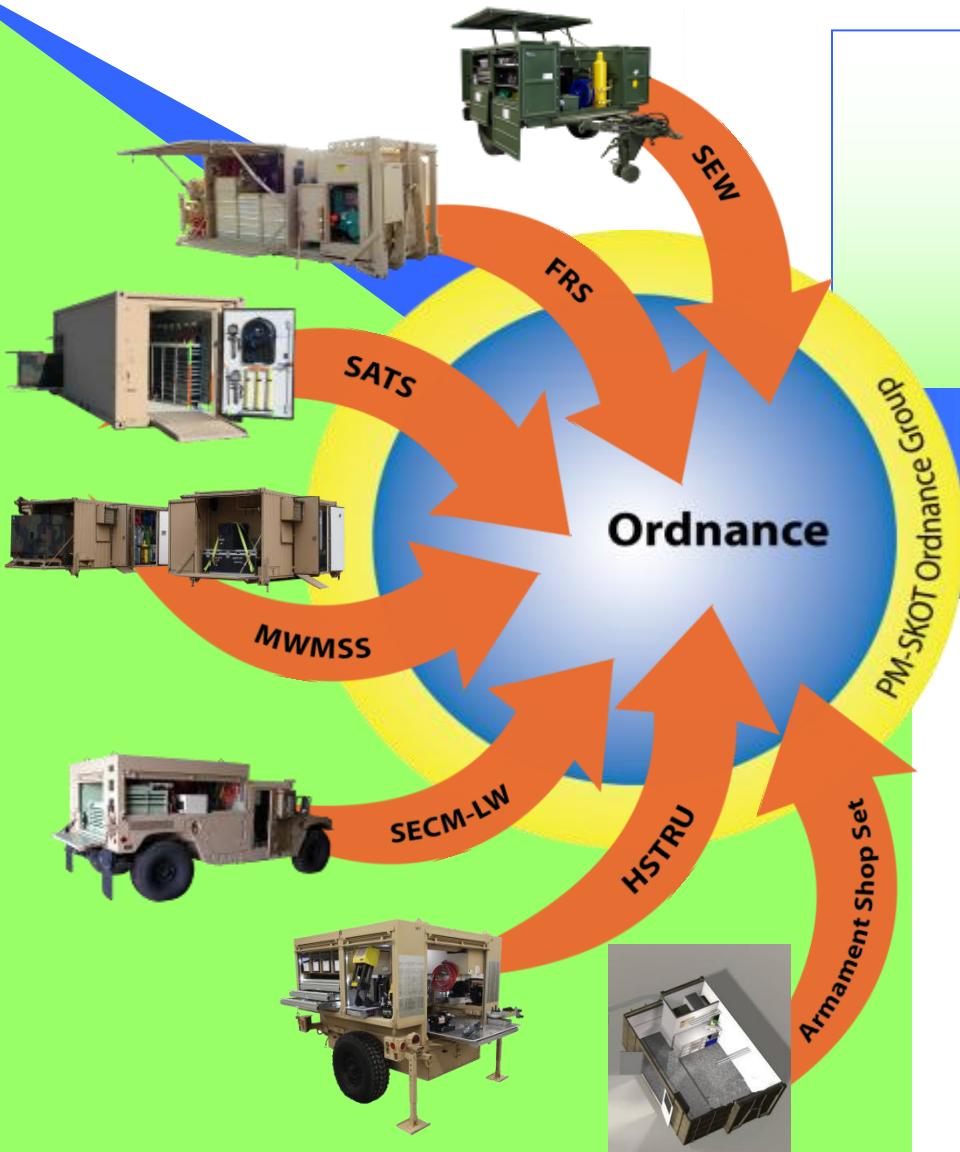
➤ CPD approved	1QFY12
➤ CARDS No. Assigned	1QFY12
➤ Procure from GSA Contract (GS-07F-0083V)	3QFY12
➤ Type Classification	4QFY12

- Documents being developed and staffed for MDA decision





Ordnance Systems



- Sustainment

- Modernization

- New Requirements

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Questions

